

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re U.S. Patent Application of** )  
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**ISHIKAWA et al.** )  
 )  
**Application Number: To be Assigned** )  
 )  
**Filed: Concurrently Herewith** )  
 )  
**For: MAGNETORESISTIVE HEAD** )  
 )  
**ATTORNEY DOCKET NO. NITT.0145** )

**Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231**

**INFORMATION DISCLOSURE STATEMENT**

**Sir:**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith.

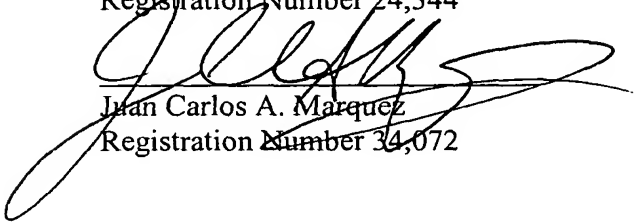
This Information Disclosure Statement is submitted with the initial filing of the application. Accordingly, no fee is due or payable at this time.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,

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Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER NITT.0145	SERIAL NUMBER To be Assigned
	APPLICANT ISHIKAWA et al.	
	FILING DATE Concurrently Herewith	GROUP

**U.S. Patent Documents**

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,663,685	5/5/87	Tsang			8/15/85
	5,668,688	9/16/97	Dykes et al.			5/24/96

**Foreign Patent Documents**

Examiner Initial	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
	2000-228004	5/18/99	Japan			Abstract	X
	3-125311	9/7/90	Japan			Abstract	X
	8-147631	11/16/94	Japan			Abstract	X

**Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)**

	B. Dieny, V.S. Speriosu, S.S.P. Parkin, B.A. Gurney, D.R. Wilhoit and D. Mauri, "Giant Magnetoresistance in Soft Ferromagnetic Multilayers", The American Physical Society (January 1, 1991), Physical Review B, Vol. 43, No. 1, pp. 1297-1300
	M. Takagishi, K. Koi, M. Yoshikawa, T. Funayama, H. Iwasaki and M. Sahashi, "The Applicability of CPP-GMR Heads for Magnetic Recording", IEEE Transactions on Magnetics, Vol. 38, No. 5, September 2002, pp. 2277-2282

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant*